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Multi-component container

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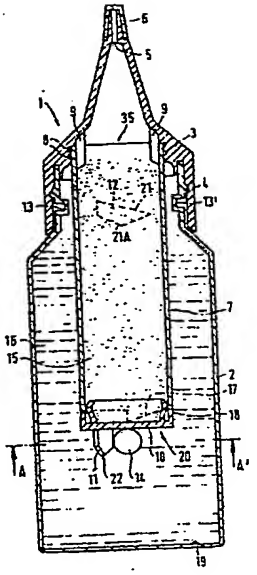
Zusammenfassung:
A multi-component chamber container 1 for free-flowing, in particular viscous substances, which requires hardly any empty space for mixing inside the multi-chamber container 1 and permits simple, mechanical apportioning. Additionally, simple handling and a large ratio of substance quantities are achieved.
This is achieved in that the internal container 7 is designed in such a way that it is connected by its first end 35 on the inside to the cap 3 so that it is sealed, secured against rotation and axially releasable and is connected by its second end 20 to a stopper 10, the internal container 7 having on the outer-wall side at least one projection 12 with at least one sloping plane 21, and the external container 2 being provided on the inner-wall side with at least one projection 13 corresponding to the plane 21, and the second end 20 of the internal container 7 being provided with at least one sloping plane 17, the stopper 10 having at least one projection 18 corresponding to the plane 17 and having at least one radially arranged projection 11 which corresponds to at least one projection 13 arranged on the inner-wall side of the external container 2, and the projections 11, 12, 13, 14,
18 being functionally arranged in such a way that, by turning the cap 3 axially, firstly the stopper 10 is released from the internal container 7 and then the internal container 7 from the cap 3 (Figure 1). <IMAGE>



Derwent Titel:
Multi-chamber container for slow-flowing mixt. - produced when cap rotation allows inner chamber contents to enter surrounding outer chamber

Derwent Zusammenfassung:
DE3631134 An outer container for a first material has a clipped-on rotatable cap with an internal shoulder abutted by the upper end of a coaxial smaller inner container for a second material with holes in the side wall of the inner container near a base closure plug. Matching inclined surfaces and radial projections on the inner container exterior and outer container interior ensure that rotation of the cap produces axial displacement, firstly lifting the top end of the inner container away from the cap shoulder, and secondly releasing the closure plug to permit inner container material to pass into the outer continer. When the two materials have been mixed by shaking, mixt. can be discharged from an upper nozzle at the cap tip, after removal of an external closure.
USE/ADVANTAGE - Esp. for materials flowing with difficulty. Very little empty space is included making for a compact container which can be readily assembled.(0/16)